

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 – 3 (Cancelled)

4. (Currently Amended) A print assembly for pagewidth inkjet printing, the print assembly comprising

an elongate carrier that is mountable on a support structure of a printer in an operative position with respect to a platen of the printer;

a number of printhead chips that are positioned on the carrier, the printhead chips together defining a printhead that is configured to eject at least one billion drops per second into a printing zone defined between the printhead and the platen of the printer; ~~and~~

control circuitry that is also positioned on the carrier and that is configured to control operation of the printhead chips; and

a feed mechanism positioned on the support structure for feeding a print medium through the printing zone, the feed mechanism including a media roll for carrying print media to be provided to the printing zone and a take up spool configured to receive printed print media from the printing zone.

5. (Original) A print assembly as claimed in claim 4, in which the printhead chips together define a printhead that is configured to eject at least ten billion drops per second into the printing zone.

6. (Original) A print assembly as claimed in claim 5, in which the printhead chips together define a printhead that is configured to eject at least twenty billion drops per second into the printing zone.

7. (Original) A print assembly as claimed in claim 6, in which the printhead chips together incorporate at least one hundred thousand nozzle arrangements.

8. (Original) A print assembly as claimed in claim 7, in which the printhead chips together incorporate at least two hundred thousand nozzle arrangements.

9. (Original) A print assembly as claimed in claim 8, which includes between forty and one hundred printhead chips positioned on the carrier.

10. (Original) A print assembly as claimed in claim 4, in which each printhead chip is the product of an integrated circuit fabrication process.

11. (Original) A print assembly as claimed in claim 10, in which each printhead chip includes a wafer substrate and a CMOS drive circuitry layer positioned on the wafer substrate with the nozzle arrangements positioned on the wafer substrate and the CMOS drive circuitry layer.

12. (Original) A print assembly as claimed in claim 11, in which each nozzle arrangement is in the form of a micro electro-mechanical system that is electrically connected to the CMOS drive circuitry layer.

13. (Original) A print assembly as claimed in claim 12, which includes a plurality of printhead modules, each printhead module incorporating a printhead chip, the printhead modules being mounted on the carrier.

14. (Original) A print assembly as claimed in claim 13, in which a flexible printed circuit board is mounted on each printhead module and connected between the CMOS drive circuitry layer of each printhead chip and the control circuitry.

15. (Original) A print assembly as claimed in claim 14, in which the printhead modules are configured so that the printhead chips are each positioned at a common angle of greater than zero degrees and less than ninety degrees with respect to a line extending a length of the printing zone, so that consecutive printhead chips overlap at their ends.

16. (Currently Amended) An inkjet printer that comprises
a support structure;
a platen positioned in the support structure;
a print assembly positioned operatively with respect to the platen, the print assembly comprising
an elongate carrier;

a number of printhead chips positioned on the carrier, the printhead chips together defining a printhead that is configured to eject at least one billion drops per second into a printing zone defined between the printhead and the platen; and
control circuitry that is also positioned on the carrier and that is configured to control operation of the printhead chips; and
a feed mechanism positioned on the support structure for feeding a print medium through the printing zone, the feed mechanism including a media roll for carrying print media to be provided to the printing zone and a take up spool configured to receive printed print media from the printing zone.

17. (Currently Added) An inkjet printer as claimed in claim 16, wherein the feed mechanism is positioned on the support structure so that the take up spool is located beneath the media roll.

18. (New) An inkjet printer as claimed in claim 17, wherein the feed mechanism is positioned on the support structure so that the media roll is located between the take up spool and the carrier.

19. (New) An inkjet printer as claimed in claim 16, in which a media tray configured to store the media roll is positioned between a pair of legs of the support structure.

20. (New) An inkjet printer as claimed in claim 16, wherein each printhead device includes one or more Micro Electrical Mechanical Systems (MEMS).